

# OASYS 76 / OASYS 88

## Part2 Appendix

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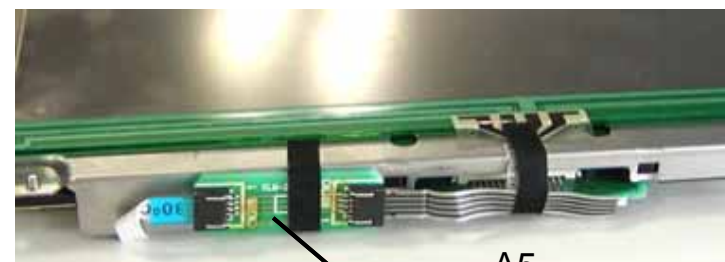
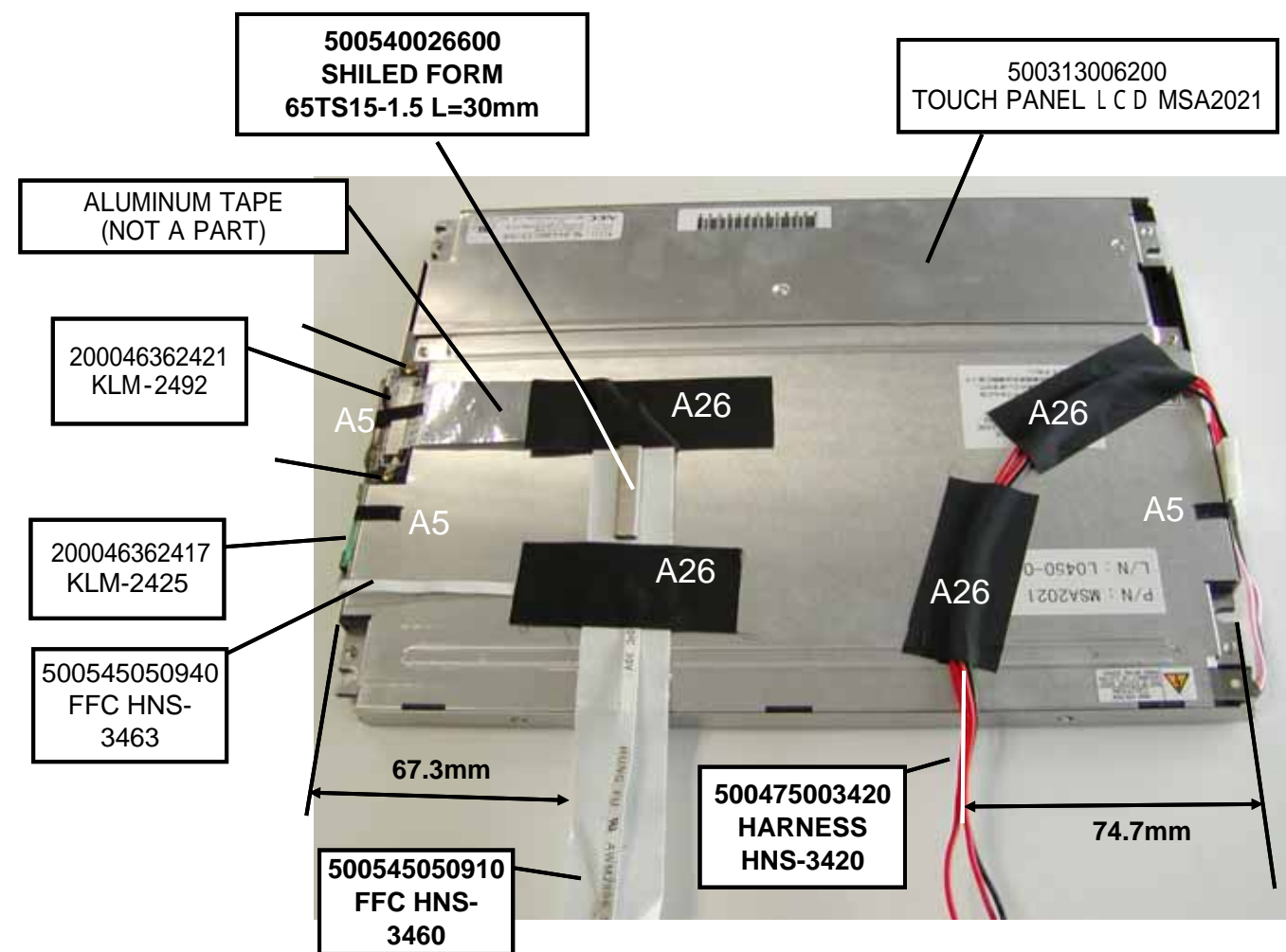
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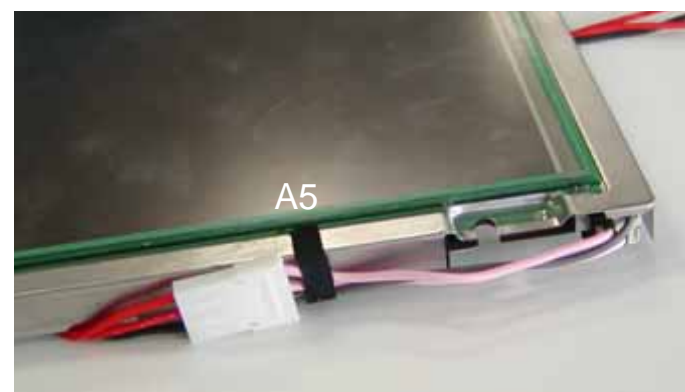
5th Edition

Issued date : Oct.12, 2006

Issued by : KORG INC.

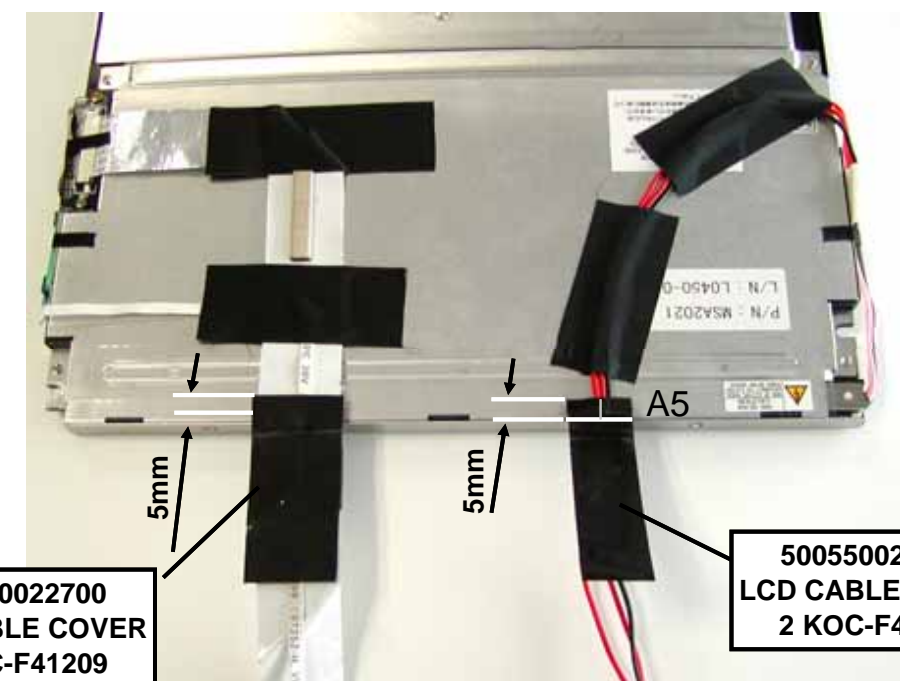
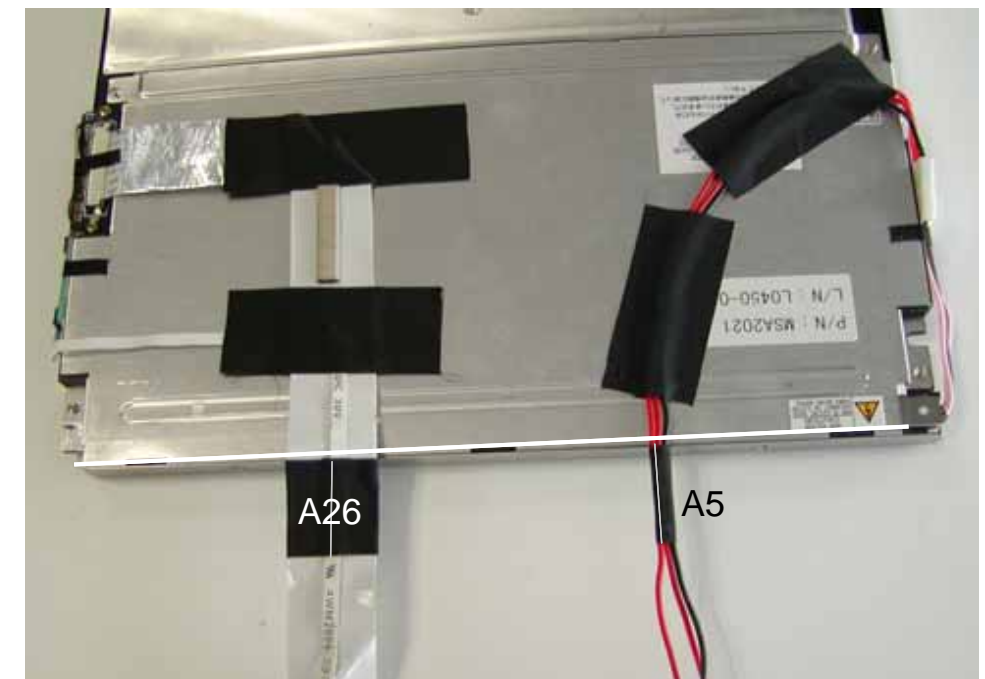


200046362417  
KLM-2425



	SCREW	
	PLAX B ZMC 2×5	2

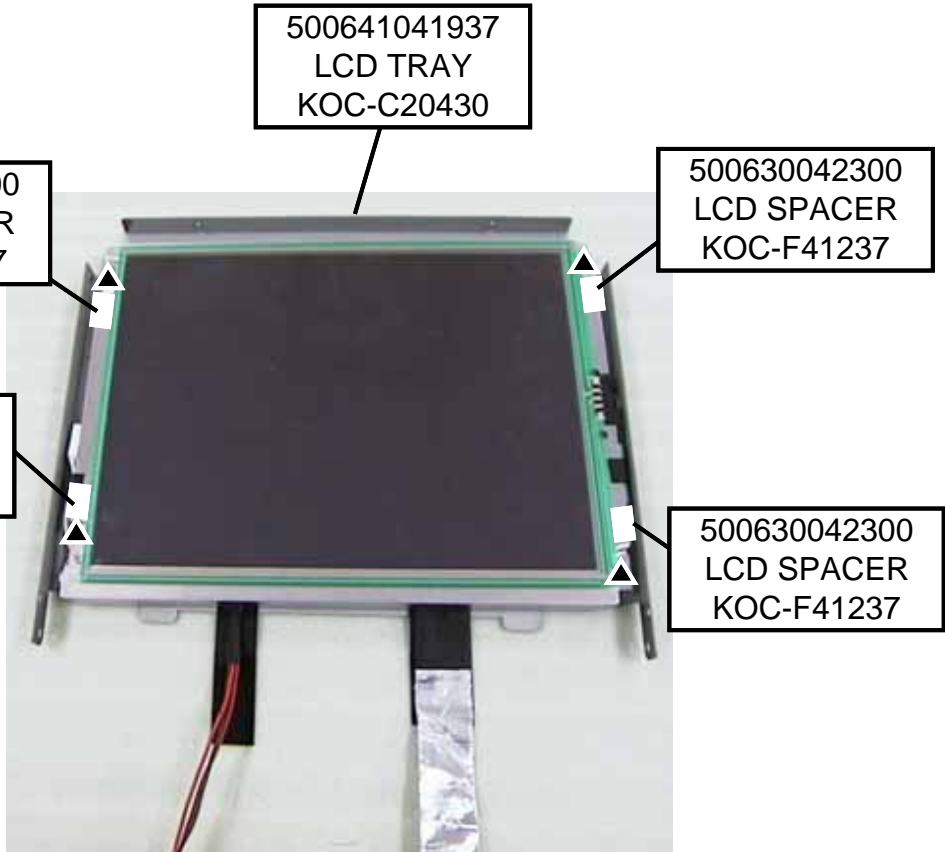
	Ready-Made TAPE	
A26	TAPE W=26mm	
A5	TAPE W= 5mm	



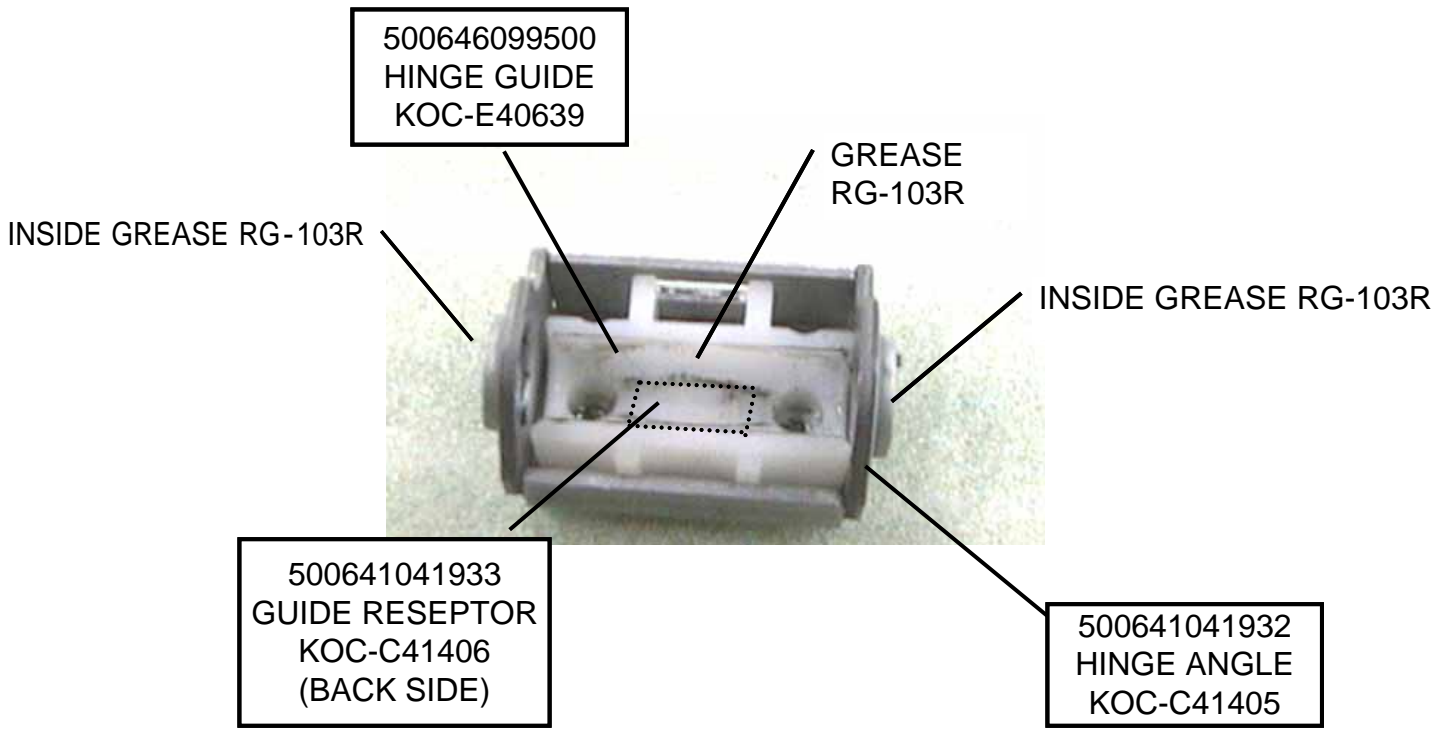
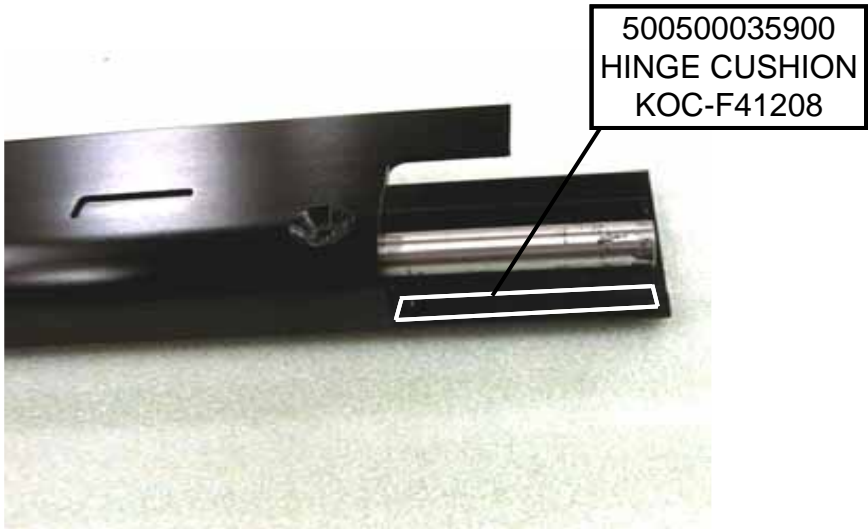
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LCD CABLE COVER  
1 KOC-F41209

500550022800  
LCD CABLE COVER  
2 KOC-F41210

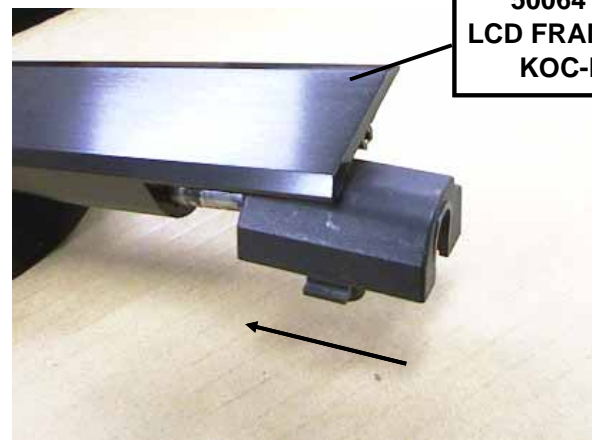
DRAWN	CHECKED	APPROVED	MODEL	X - 2100 / 2160	
TAMURA			TITLE	LCD UNIT 1	
KORG INC.			NO.		3



	SCREW	
▲	FE B BZMC 3*6	4



DRAWN	CHECKED	APPROVED	MODEL	X - 2100 / 2160	
TAMURA			TITLE	LCD UNIT 2	
KORG INC.			NO.		4

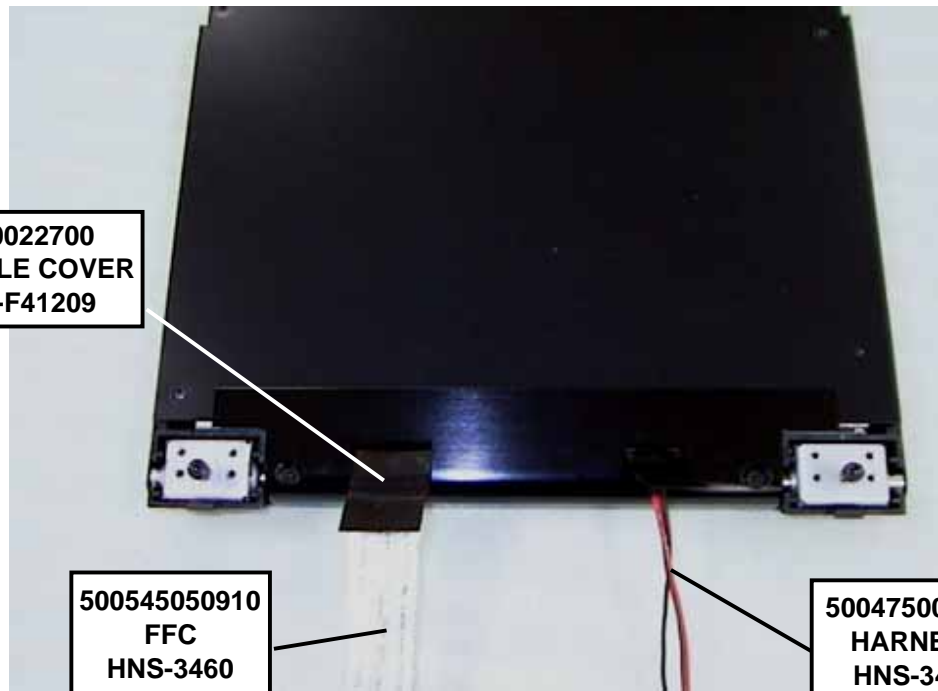


500641041951  
LCD FRAME A ASSY  
KOC-H30290

500646099600  
CAP  
KOC-E40641

500641041947  
LCD FRAME D  
KOC-C30684

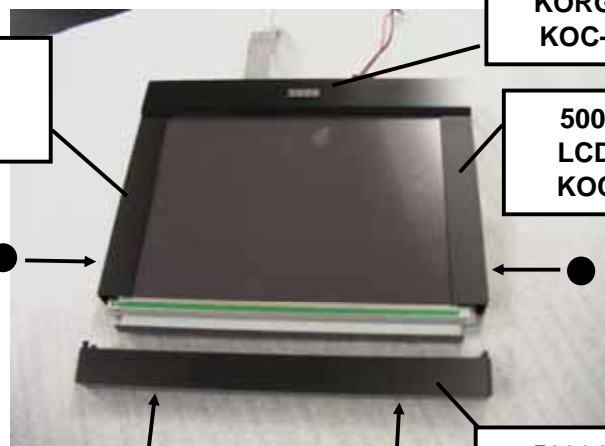
DOUBLE-COATED ADHESIVE  
TAPE



500550022700  
LCD CABLE COVER  
1 KOC-F41209

500545050910  
FFC  
HNS-3460

500475003420  
HARNESS  
HNS-3420



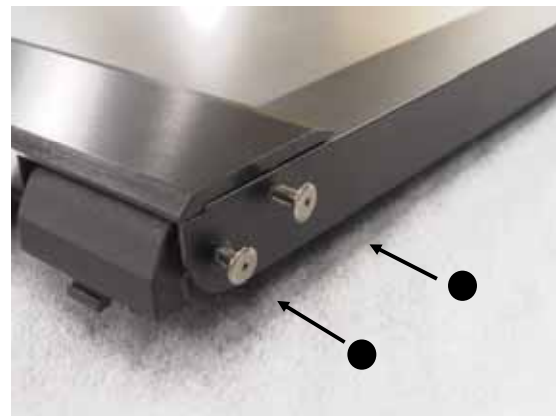
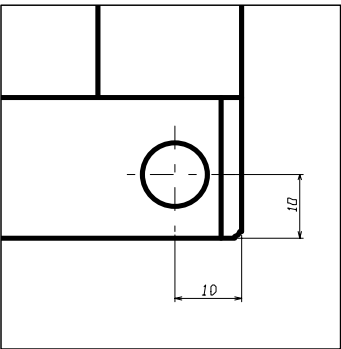
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LCD FRAME C  
KOC-C30683-2

500641041927  
KORG PLATE 5  
KOC-C41155-5

500641041945  
LCD FRAME B  
KOC-C30683-1

500641041947  
LCD FRAME D  
KOC-C30684

	SCREW	
●	SH0308BNI(AZUMA)3*8	4

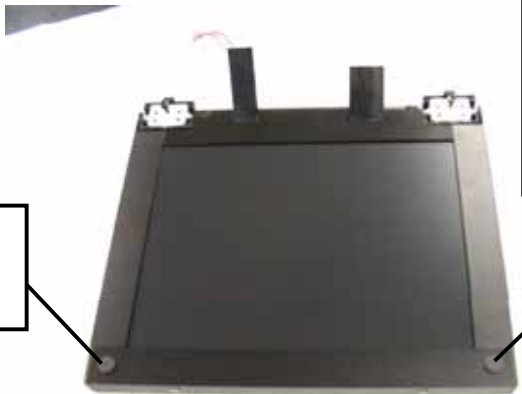


	SCREW	
●	SH0308BNI(AZUMA)3*8	4



LOCTITE 242

500500035800  
LCD CUSHION  
KOC-F41216



500500035800  
LCD CUSHION  
KOC-F41216

DRAWN	CHECKED	APPROVED	MODEL	X - 2100 / 2160	
TAMURA			TITLE	LCD UNIT 3	
KORG INC.			NO.		5



PAD related parts

500646097700  
PAD FRAME  
KOC-E30371-1

500646097500  
PAD BUTTON  
KOC-E40623

50052500200  
0  
FERRITE

(NOTE) It is actually a magnet but  
it is wrongly listed as FERRITE  
CORE



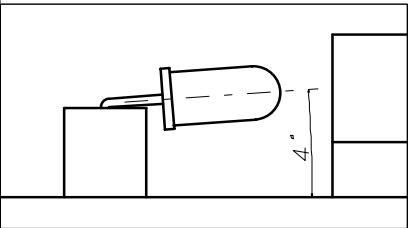
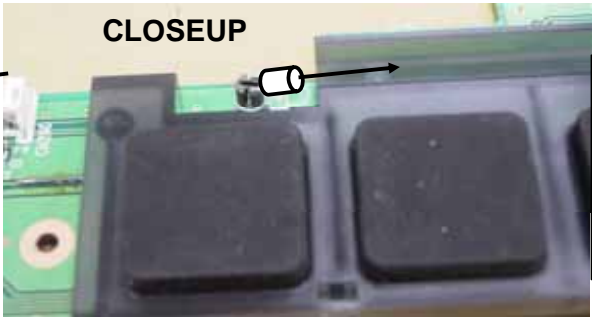
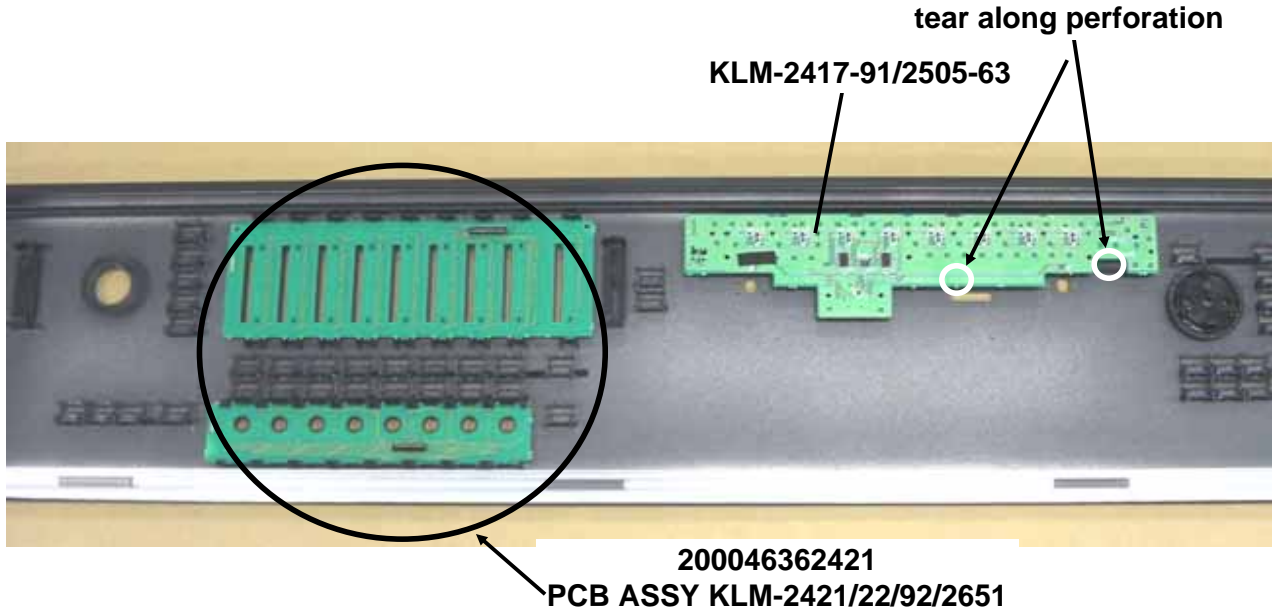
500646097600  
PAD CUSSION  
KOC-E30375



200046362417  
PCB ASSY  
KLM-2417-91/2505-

LED(pre-installed)

LED(pre-installed)



X-2100 JSPanel ASSY

X-2160 JSPanel ASSY

500641041944  
X-2100 EMI ANGLE JS KOC-C41410

KLM-2555(a part of 200046362417 PCB ASSY KLM-2417-91/2505-63)

500475003438  
HARNESS HNS-3438

500475003432  
HARNESS HNS-3432

500641041905  
X-2100 JS SUPPORT R KOC-C30662

500641041904  
X-2100 JS SUPPORT L KOC-C30660

2100 JoystickASSY

500475002197  
HARNESS HNS-2197 BOARD IN

500641041258  
X-311/312 FSR METAL KOC-C41000

KLM-2556(a part of 200046362417 PCB ASSY KLM-2417-91/2505-63)

	Screw	Qty.
●	BT B BZMC 3x8	16
C	CoatingClip CS-6	1

500646064700  
X-311BK CONTROL KNOB ASSY

KLM-2555(a part of 200046362417 PCB ASSY KLM-2417-91/2505-63)

500475003450  
HARNESS HNS-3450

500641041944  
X-2100 EMI ANGLE JS KOC-C41410

2100 JoystickASSY

500641041906  
X-2160 JS SUPPORT R KOC-C30661

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HARNESS HNS-2197 BOARD IN

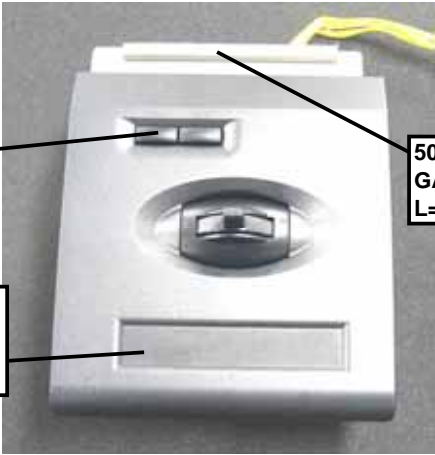
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HARNESS HNS-3432

KLM-2556(a part of 200046362417 PCB ASSY KLM-2417-91/2505-63)

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X-311/312 FSR METAL KOC-C41000

	Screw	Qty.
●	BT B BZMC 3x8	16
C	CoatingClip CS-6	1

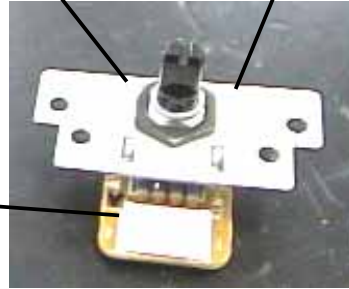


500415005000  
KX-2100 SENSER (BLACK)

REVISAL MARK	REVISAL REASON	REVISAL DATE	REVISAL BY	APPROVED

DRAWN	CHECKED	APPROVED	MODEL	X - 2100 / 2160	
田村 2005/5/27		武田 2005/5/31	TITLE	JSパネル加工図	
KORG.INC			NO.	KOE - F32028	6

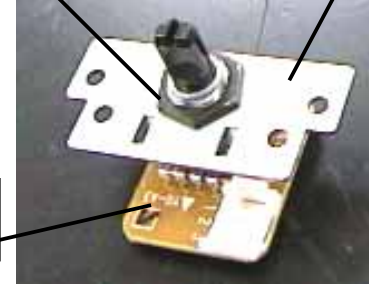
VN BZMC 9  
500641041908  
X-2100 VR PLATE KOC-C41378



1

KLM-2304  
VJS ASSY

VN BZMC 9  
500641041908  
X-2100 VR PLATE KOC-C41378



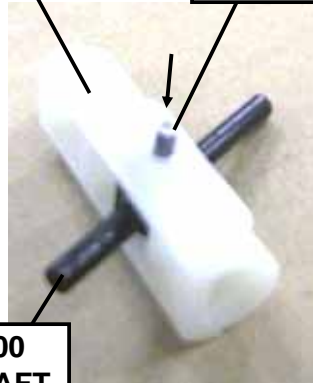
2

KLM-2305  
VJS ASSY

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X-2100 JS GUIDE 1  
KOC-E40619

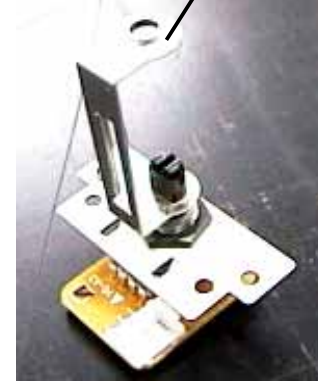
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KOC-C41418

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KOC-F41056



3

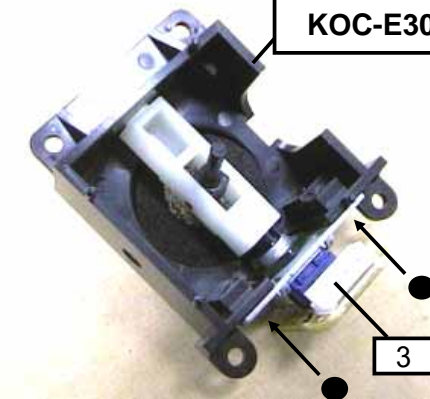
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2 KOC-C41379



4

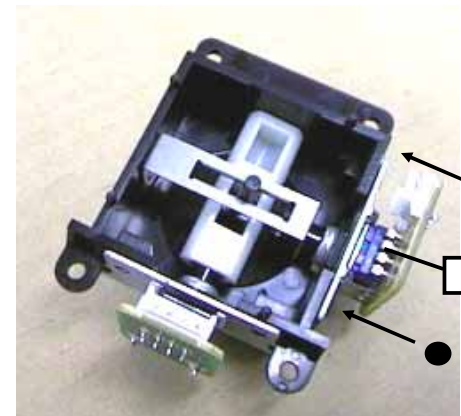
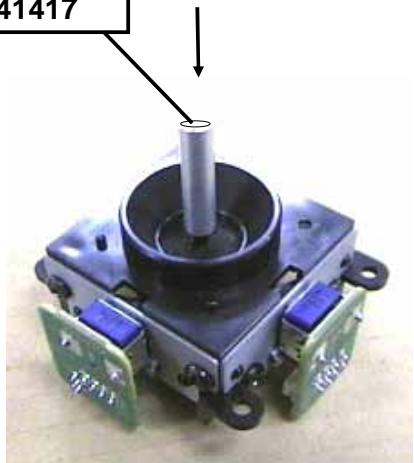
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X-2100 JS SHAFT  
KOC-E40618

500646096700  
X-2100 JS BOX  
KOC-E30367



3

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X-2100 JS LEVER  
KOC-C41417



4

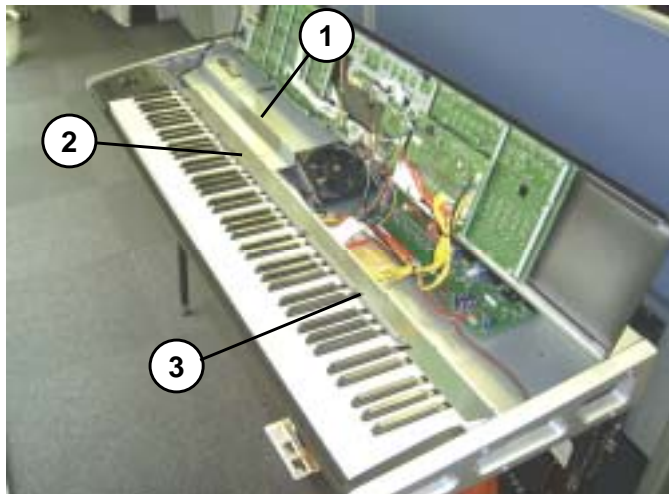
	Screw	Qty.
●	BT B BZMC 3x8	4



## OASYS76 : CHANGE THE CD-RW

1. Open the front panel of OASYS76.

Remove the screw of OP COVER, EMI ANGLE 1 and EMI ANGLE 2.



2. Remove the OP COVER, EMI ANGLE 1 and EMI ANGLE 2 .

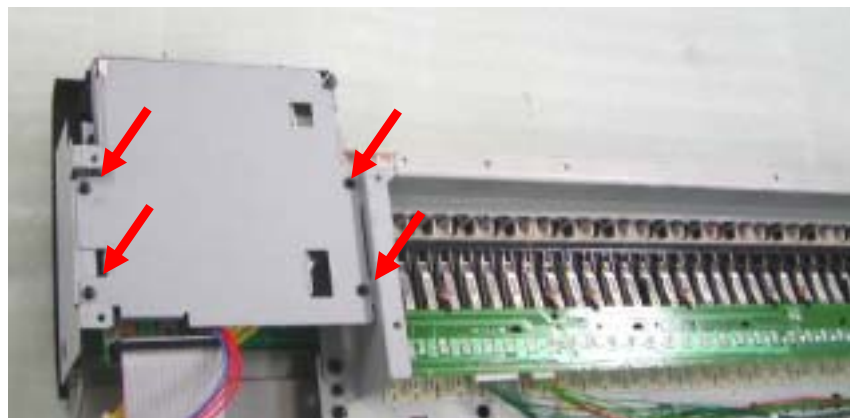


3. Remove the 12 screws of the JOYSTICK-PANEL and KEYBOARD ASSY from the bottom side.





KEYBOARD ASSY.  
and remove the CD-RW UNIT.



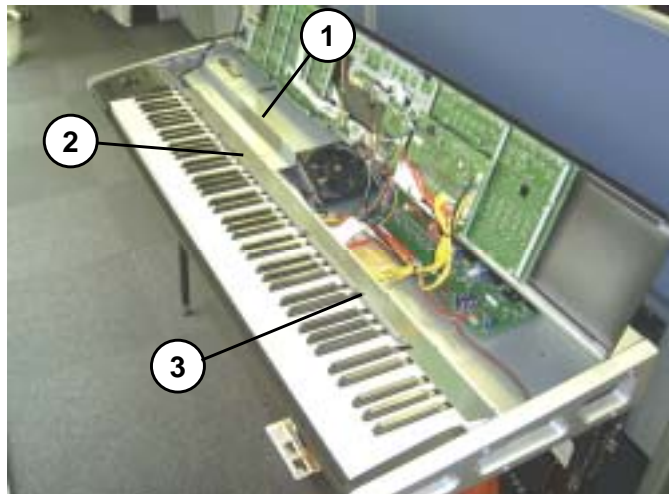
5.Change the CD-RW.



## OASYS88 : CHANGE THE CD-RW

1.Open the front panel of OASYS88.

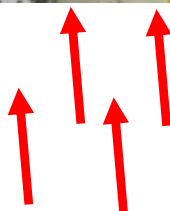
Remove the screw of OP COVER, EMI ANGLE 1 and EMI ANGLE 2.



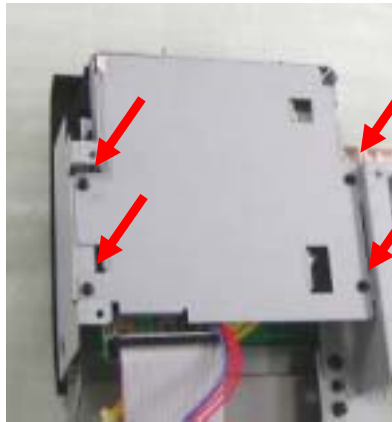
2.Remove the OP COVER, EMI ANGLE 1 and EMI ANGLE 2 .



3.Remove 4 screws of the JOYSTICK-PANEL-ASSY from the bottom side.



4.Remove the cables , Remove the JOYSTICK-PANEL-ASSY.  
and remove the CD-RW UNIT.



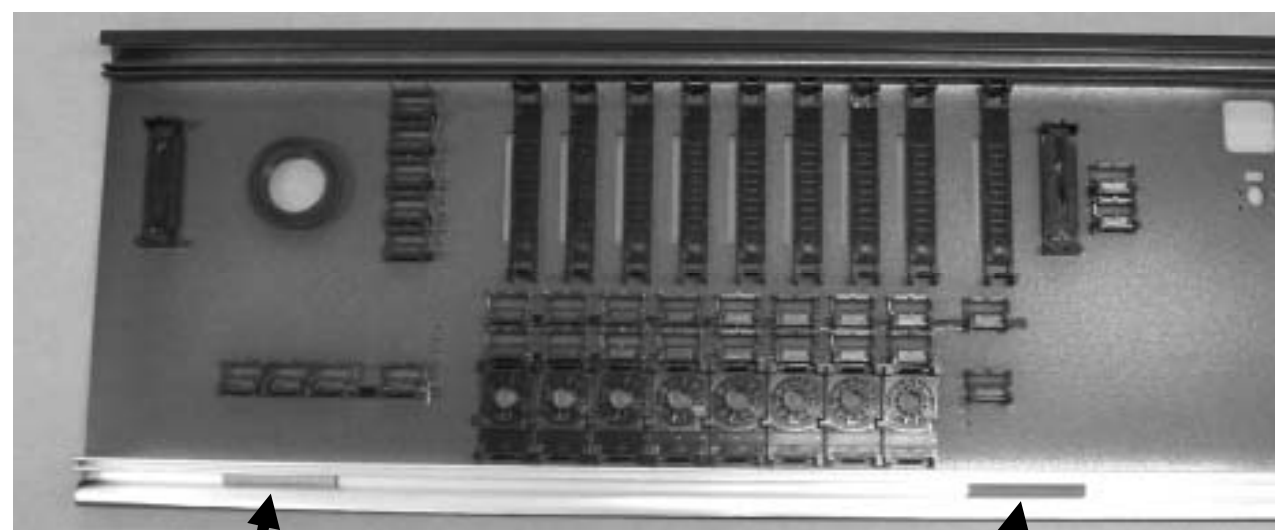
5.Change the CD-RW.





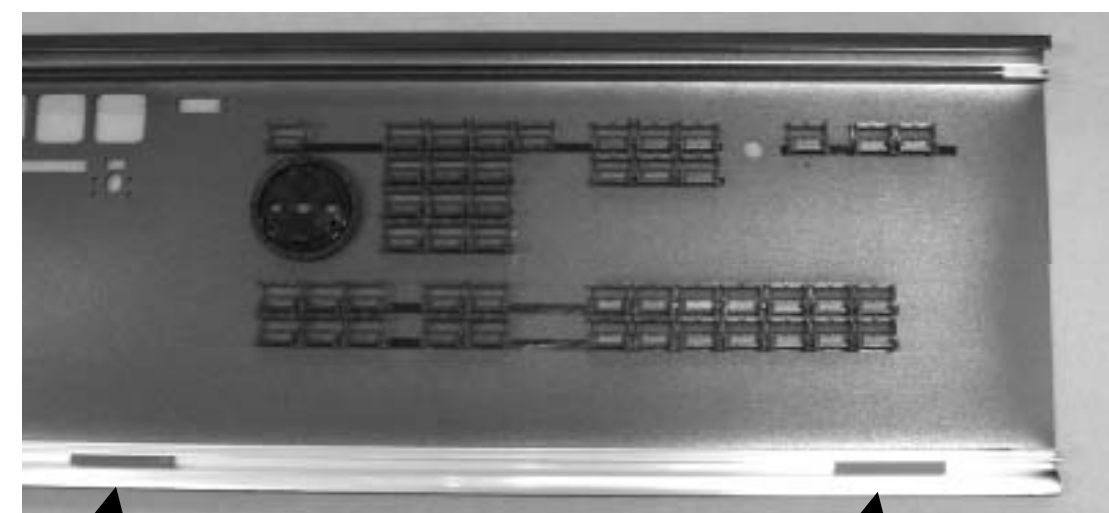
# CAUTION : OASYS FRONTPANEL SHIELD FORM

The shield form is pasted to the front panel. (OASYS76 :4 pieces , OASYS88 :5 pieces)



shield form

shield form

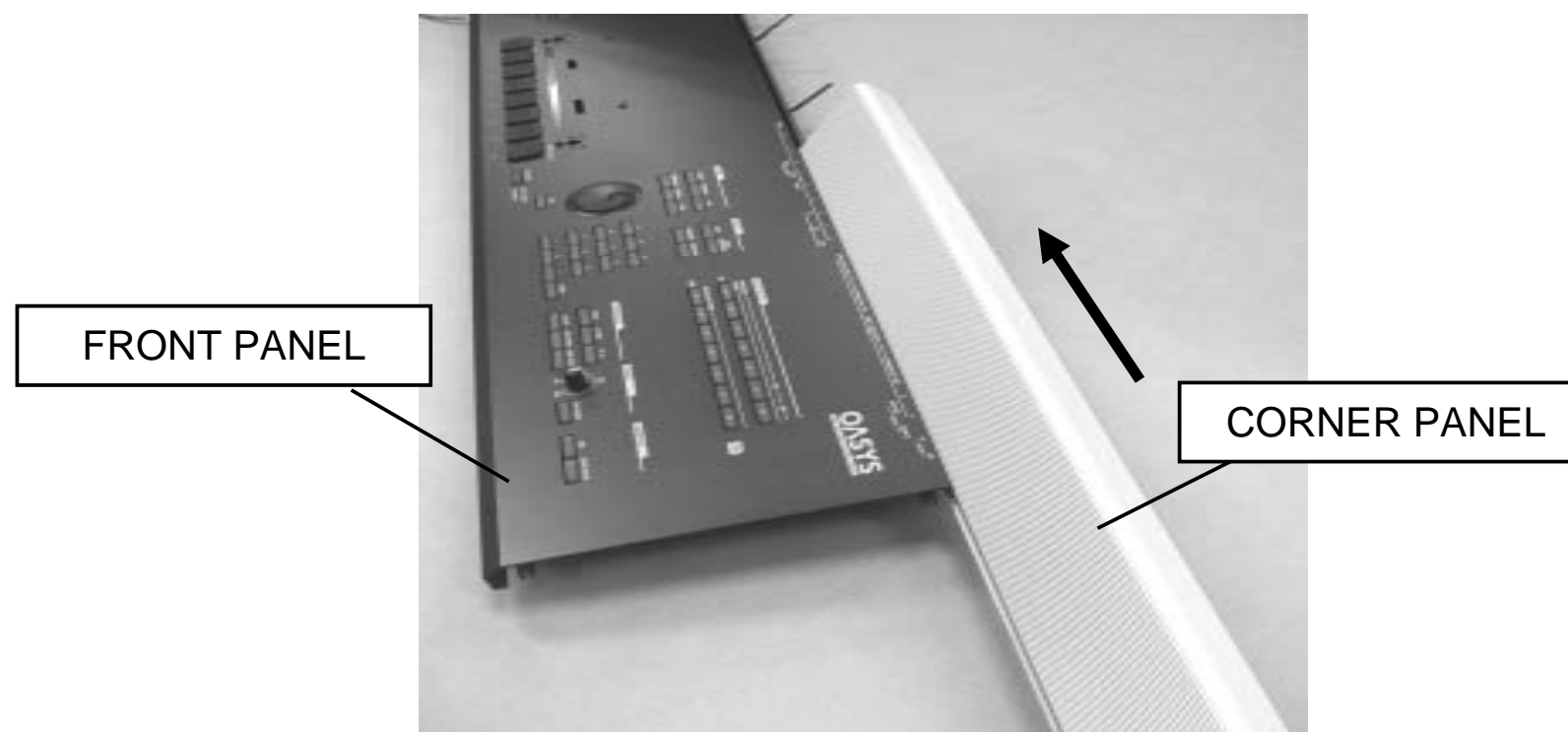


shield form

shield form

Please do not peel off the shield form when you insert the corner panel.

Troubre occurs when the shield form falls in the PCB.



FRONT PANEL

CORNER PANEL

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# Using the OASYS Internal Calibration Application

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## Important precautions

BE VERY CAREFUL!

DO NOT TOUCH ANY BUTTONS OR CONTROLS OTHER THAN THE ONES NOTED BELOW.

TOUCH ONLY ONE CONTROLLER AT A TIME. DO NOT MOVE MULTIPLE KNOBS OR FADERS.

## Dismissing error messages

At any point, if you move a different controller from the one that the application expects, an error message will appear. If this occurs, simply dismiss the error message by touching the screen, and then continue.

## When is calibration necessary?

Each OASYS is calibrated before leaving the factory, using this hidden, internal application. The resulting calibration data is stored on the internal hard disk.

In general, it should not be necessary to re-calibrate, unless:

- controls have drifted over time (possible, but is not expected to be an issue), or
- the OASYS hard drive has been formatted.

Formatting the OASYS hard drive erases the stored calibration data. Without this, physical controls may still operate correctly—but to ensure the best performance, it will be necessary to re-calibrate.

This is one of the reasons that Korg recommends against formatting unless it is absolutely necessary.

---

## Calibrating the physical controls

1. Turn on the unit, wait for the Combi screen to appear.
2. Press and hold the following four buttons, in the specified order, so that at the end all four buttons are held down: EXIT, 2, ENTER, and FUNCTION.

(Other orders will work, but one in particular - starting with ENTER + 2 - brings up a dialog box first, and appears to put the system in a slightly strange state.)

3. Wait for a few seconds, until some strange text appears on the screen, over-writing the main display. (For those who are curious, these are Linux command-line messages.) You can release the buttons at this point.

Wait about 10 more seconds. At the end of this time, the test application appears.

The calibration application includes a S/PDIF I/O test, and at startup it automatically checks to see if a S/PDIF cable is connected. If not, the screen will display a prompt: "Connect S/PDIF Cable." For calibrating the physical controls, it's completely unnecessary to have S/PDIF connected—but you'll need to dismiss the message before proceeding:

4. Touch anywhere on the screen to clear the Connect S/PDIF Cable message.

Note the text "Fan Control" at the top of the screen. This shows the current test section.

5. Press the INC/DEC key to browse through the test categories (the name is shown on the top of the screen).

You will step through "Switch & LED," "LCD," and then "A/D Converter."

6. Stop when you see the "A/D Converter" category.
7. Press the front-panel ENTER button. You'll enter the "Ribbon Controller" section.
8. Press your finger along the full width of the ribbon, from left to right. "OK" will appear on the screen.
9. After seeing 3 OKs in all, lift up your finger, and press ENTER. At this point, the calibration data for the ribbon is updated.

For all of the controllers below (except the rotary encoder), follow the same procedure: move the controller to its extreme max and min positions until the display shows OK for all values, and then press ENTER to proceed to the next section.

You can also use the FF>> and <<REW buttons to move back and forth between the tests. If you find that you are unable to get an OK message for a particular test, use FF>> and <<REW to exit and re-enter the test, and try it again.

10. Joystick: move up and down, left to right.
11. Vector Joystick: move all around, in a circle.
12. Knobs, faders, and value slider: move each one to its max and min positions.
13. Rotary encoder (value dial): this test is slightly different. Rotate the encoder clockwise to *exactly* +30, and then counter-clockwise to *exactly* -30.
14. Tempo knob: move to max and min positions.

After the Tempo knob section, the tests proceed automatically to the foot switch/pedal section. If you do not have all three foot switches/pedals connected, you can complete the calibration simply by turning off the power.

## Calibration data is stored after each test

The calibration data is stored each time you press ENTER after completing an individual test. If you only need to calibrate the Ribbon, Joystick, and Vector Joystick, for instance, you can simply turn off the power after pressing ENTER at the end of the Vector Joystick test.

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## Aftertouch calibration (76-note only)

For 76-note keyboards only, aftertouch calibration is in the "Key & AfterT" section. Calibration for the 88-key is completely different, and not accessible via this application.

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## Document version history

- 1.0: Initial version
- 1.1: Added step to clear Connect S/PDIF message
- 1.2: Added "When is calibration necessary?" section

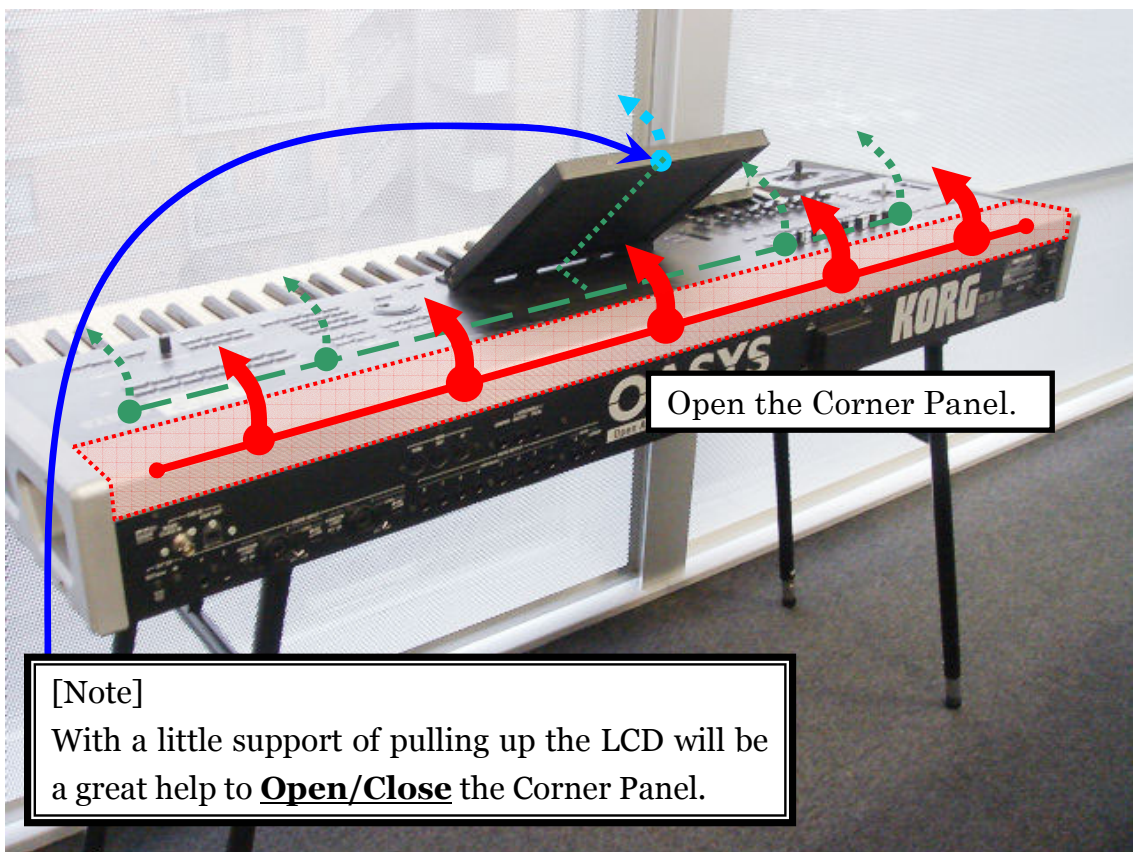
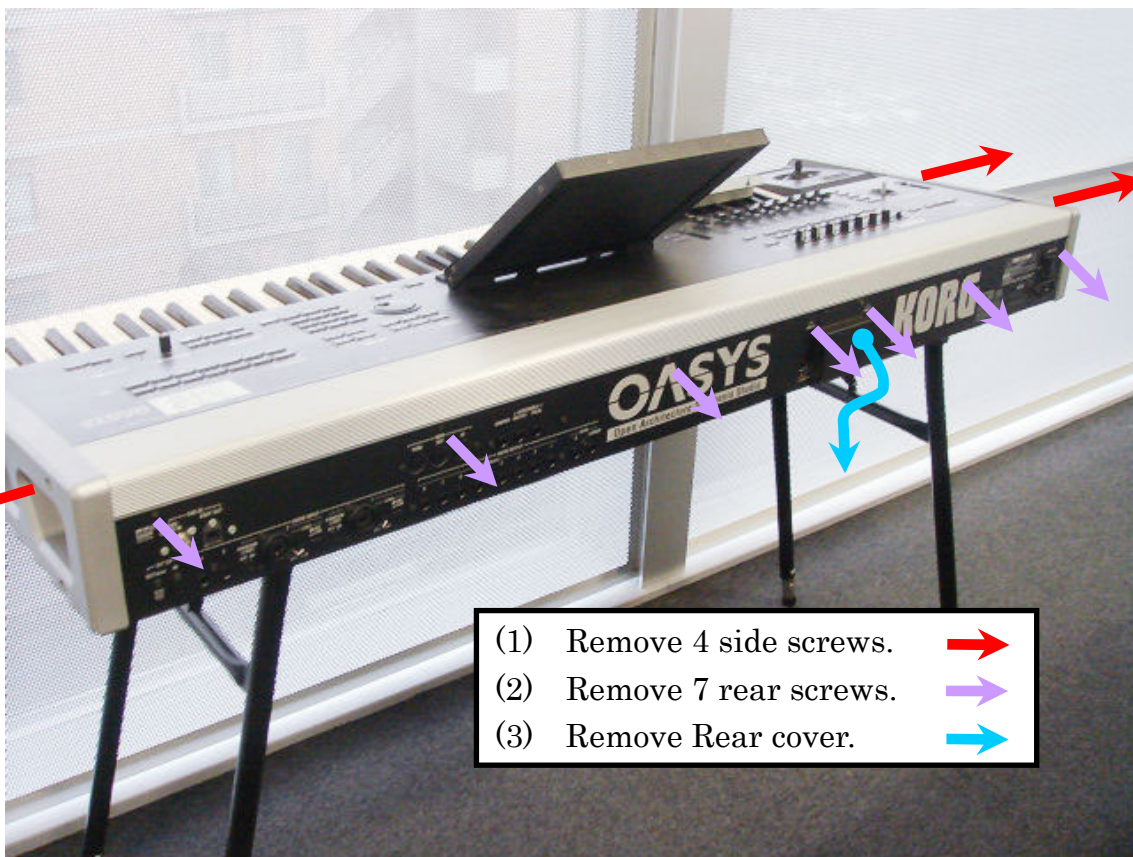
# How to reach HDD

## Open the OASYS

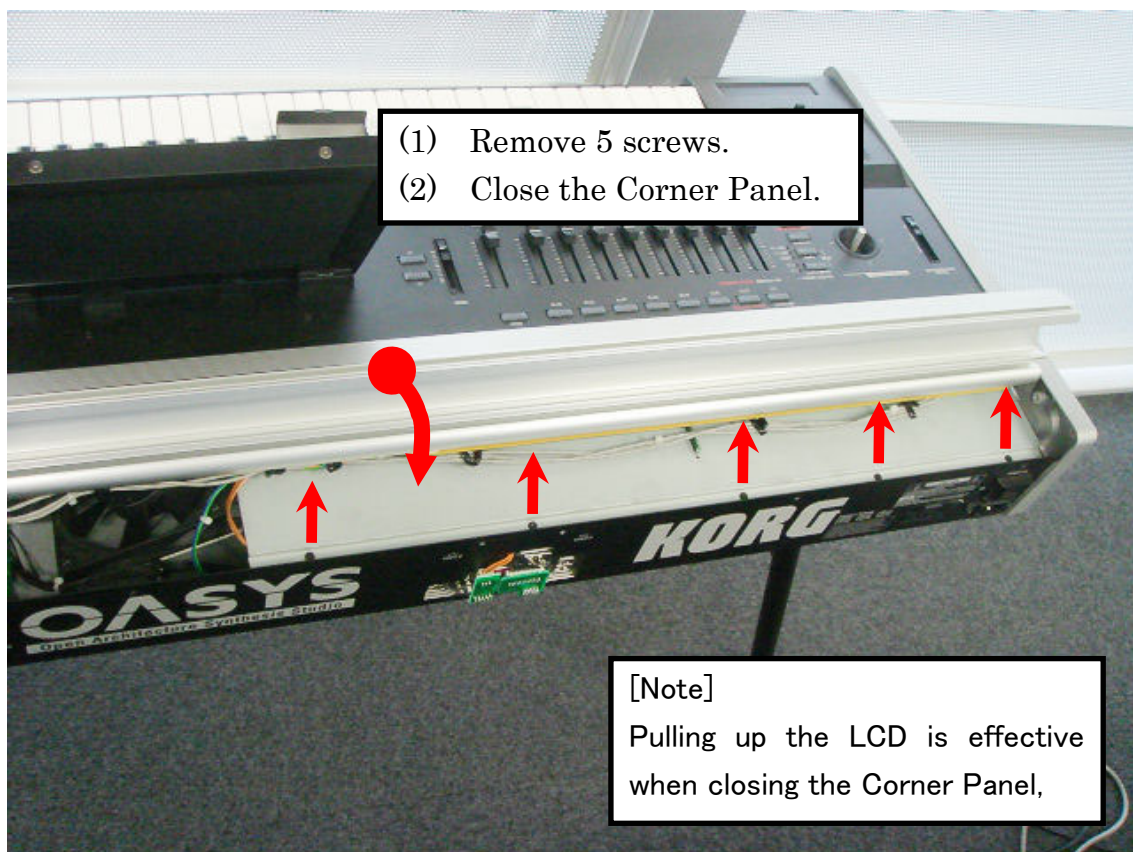
**Open**

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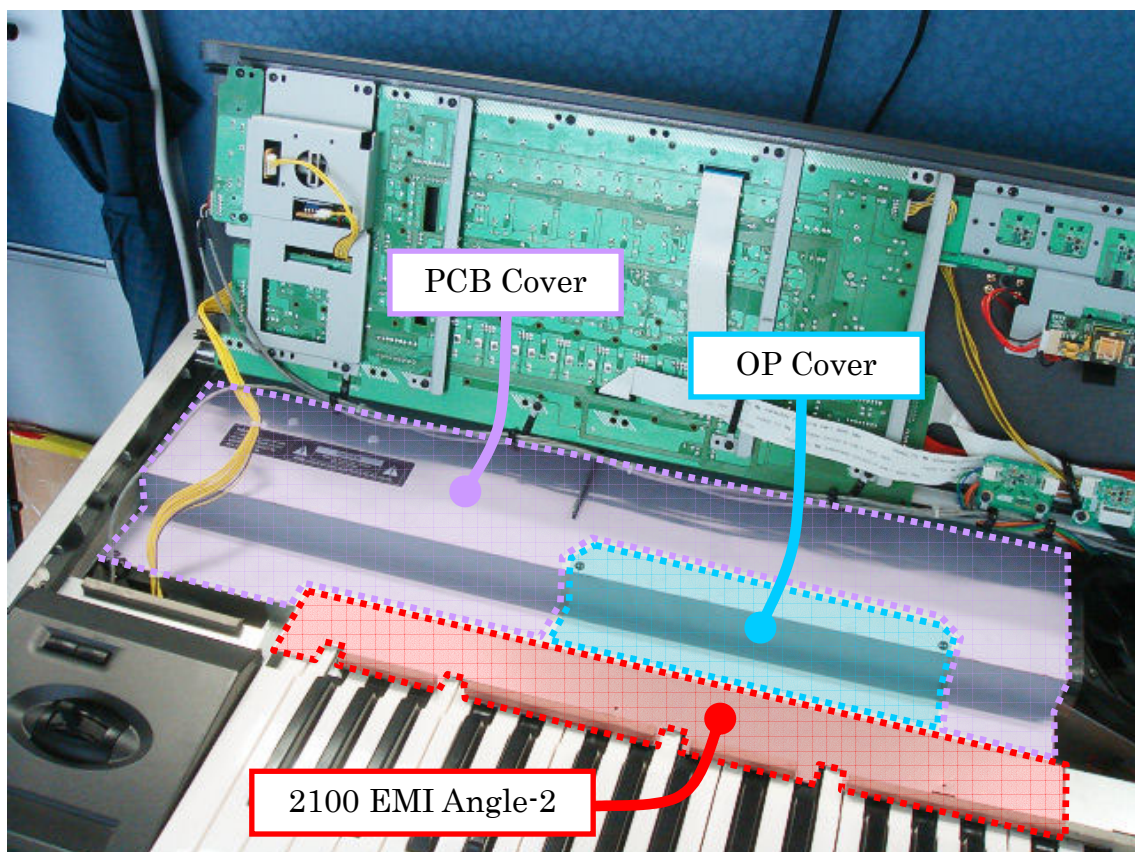
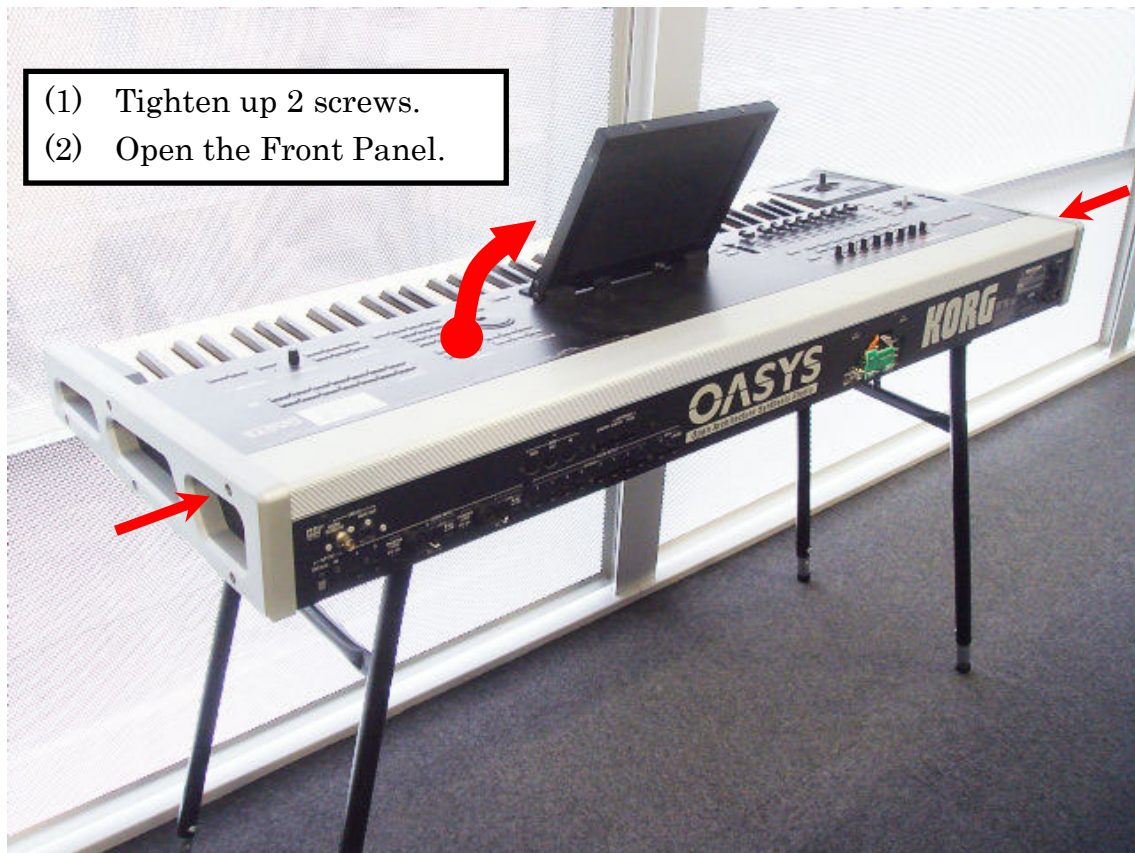
Drawn by H.Kudou Aug 21, 2006








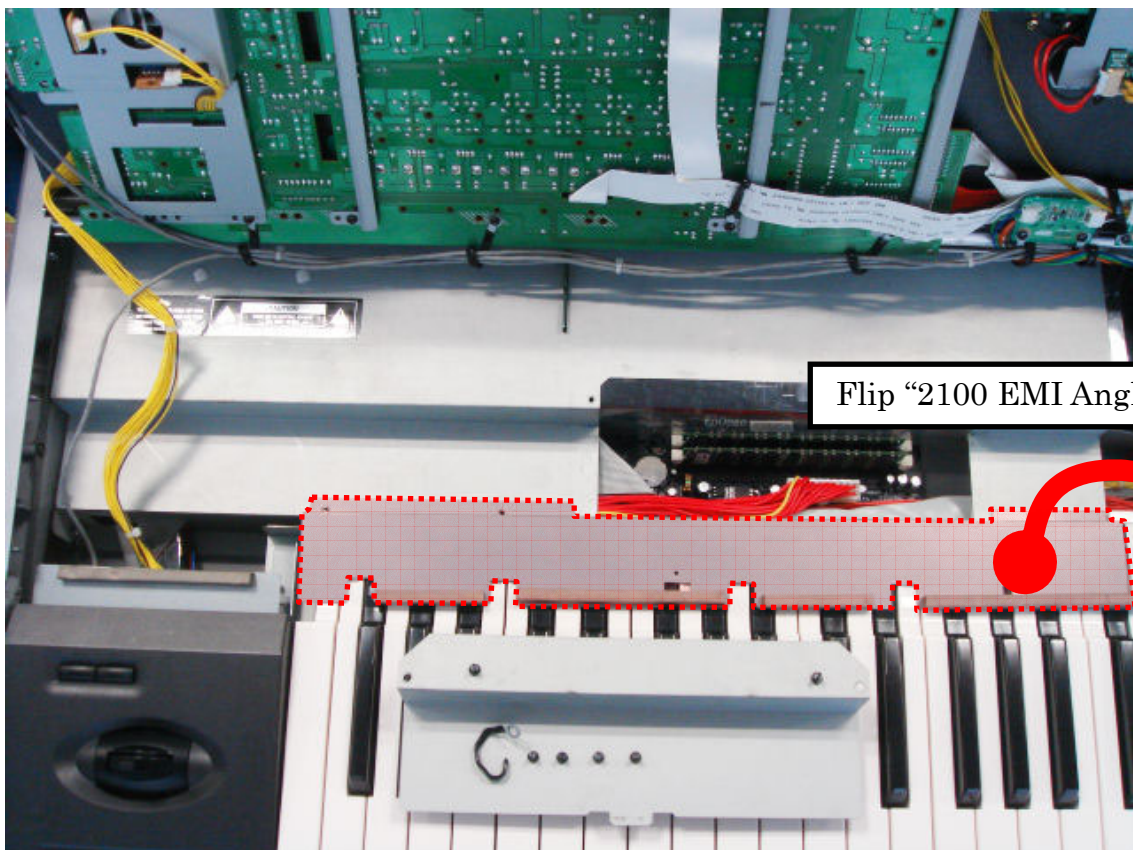
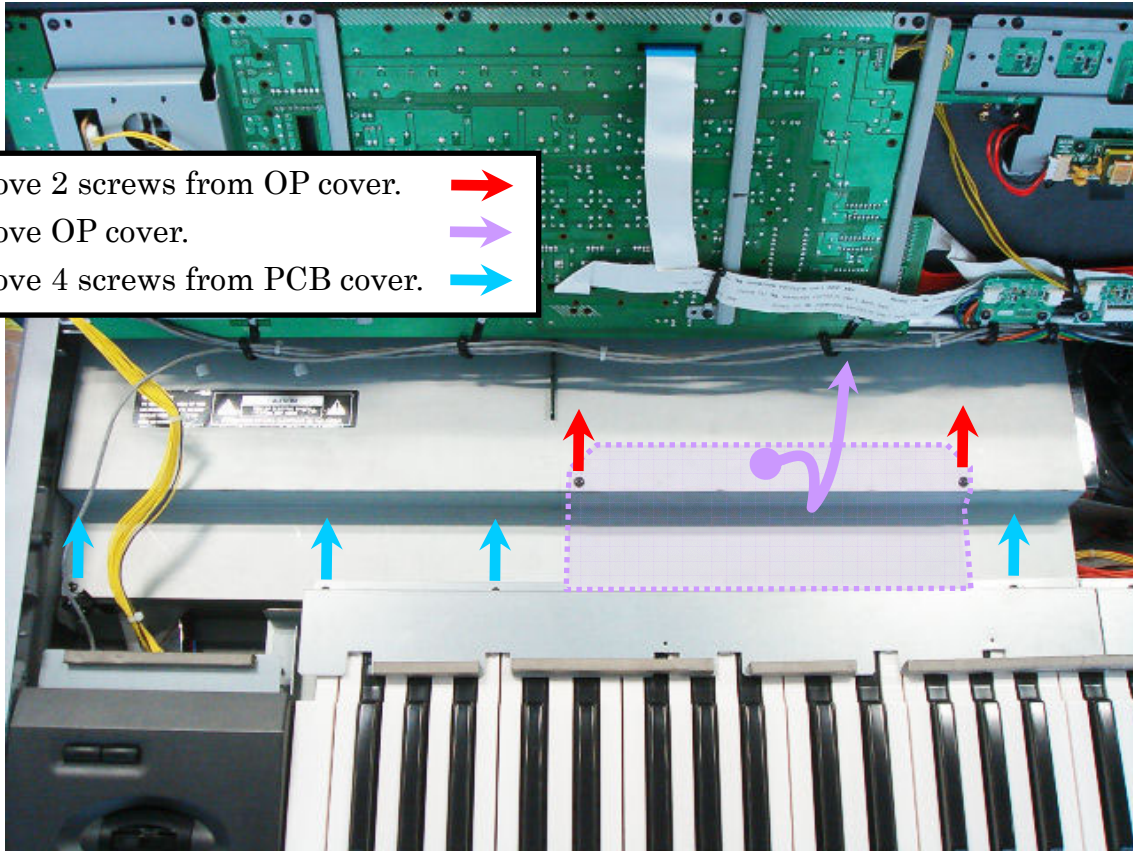






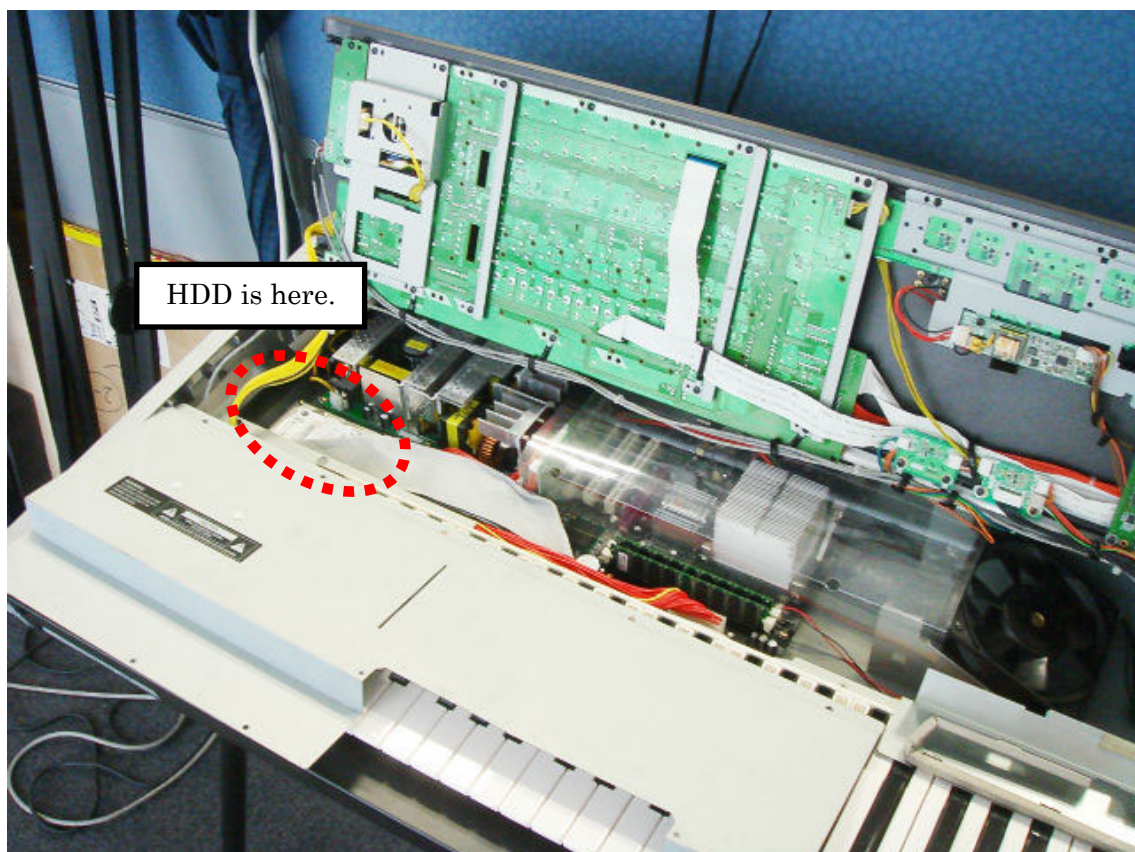
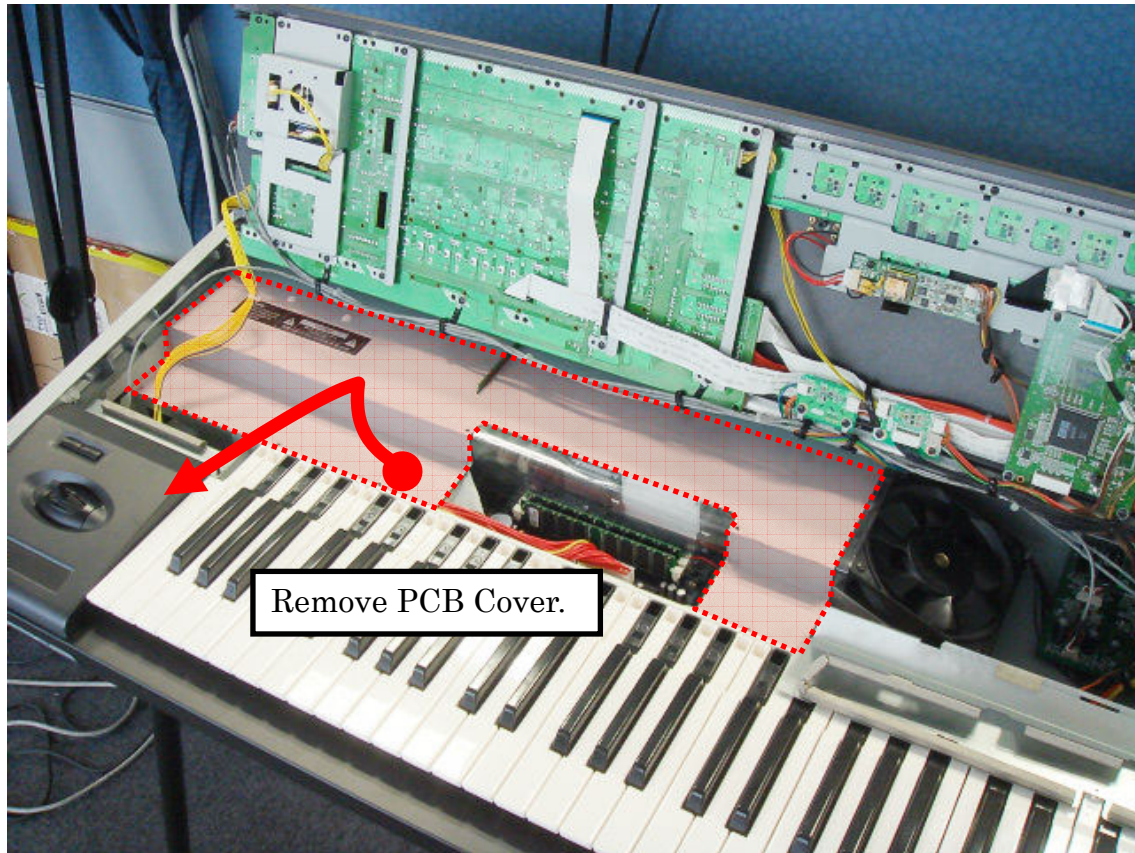


- (1) Remove 2 screws from OP cover. 
- (2) Remove OP cover. 
- (3) Remove 4 screws from PCB cover. 



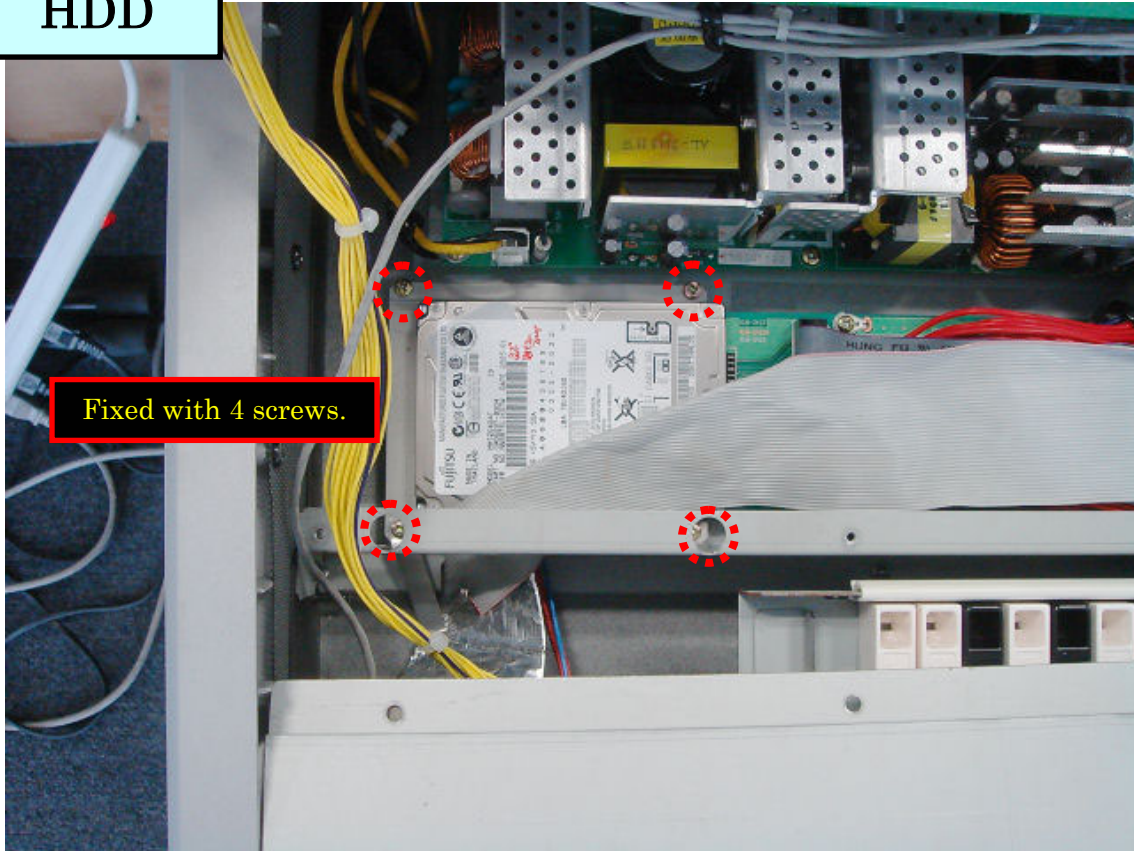
Flip "2100 EMI Angle-2".





HDD

Fixed with 4 screws.



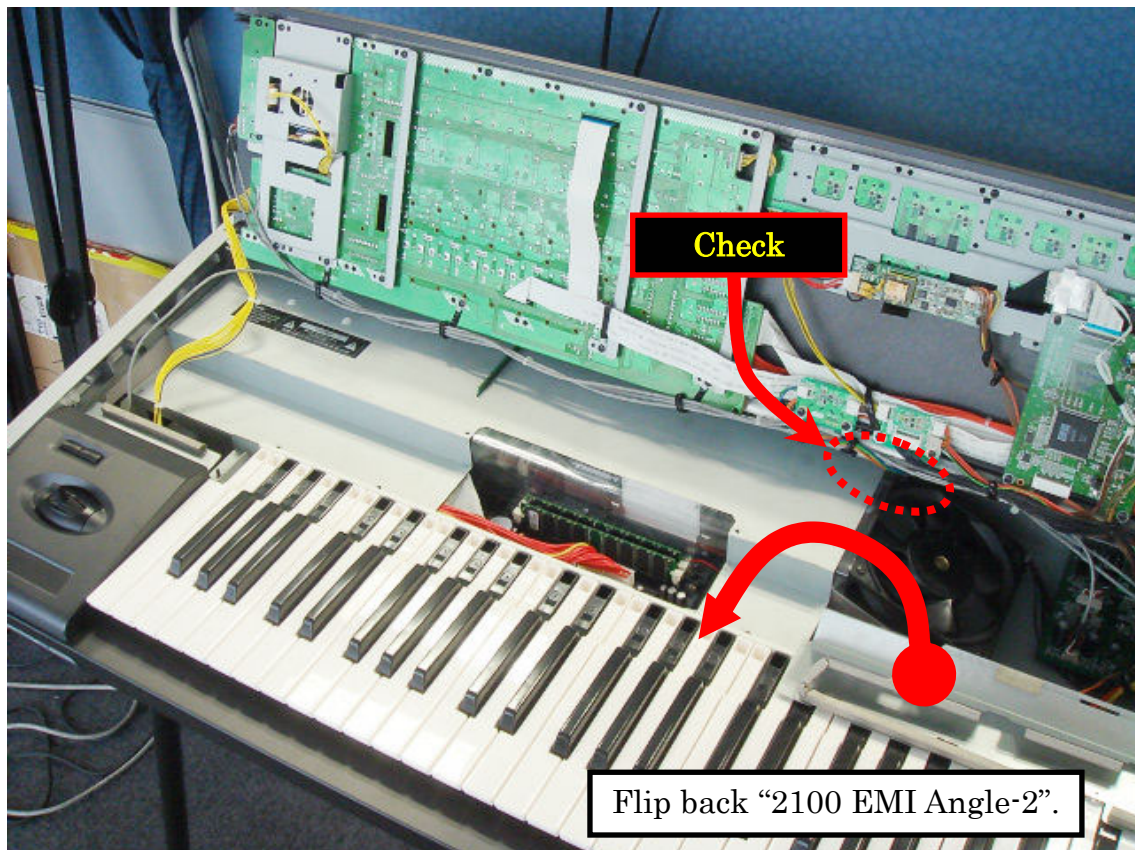
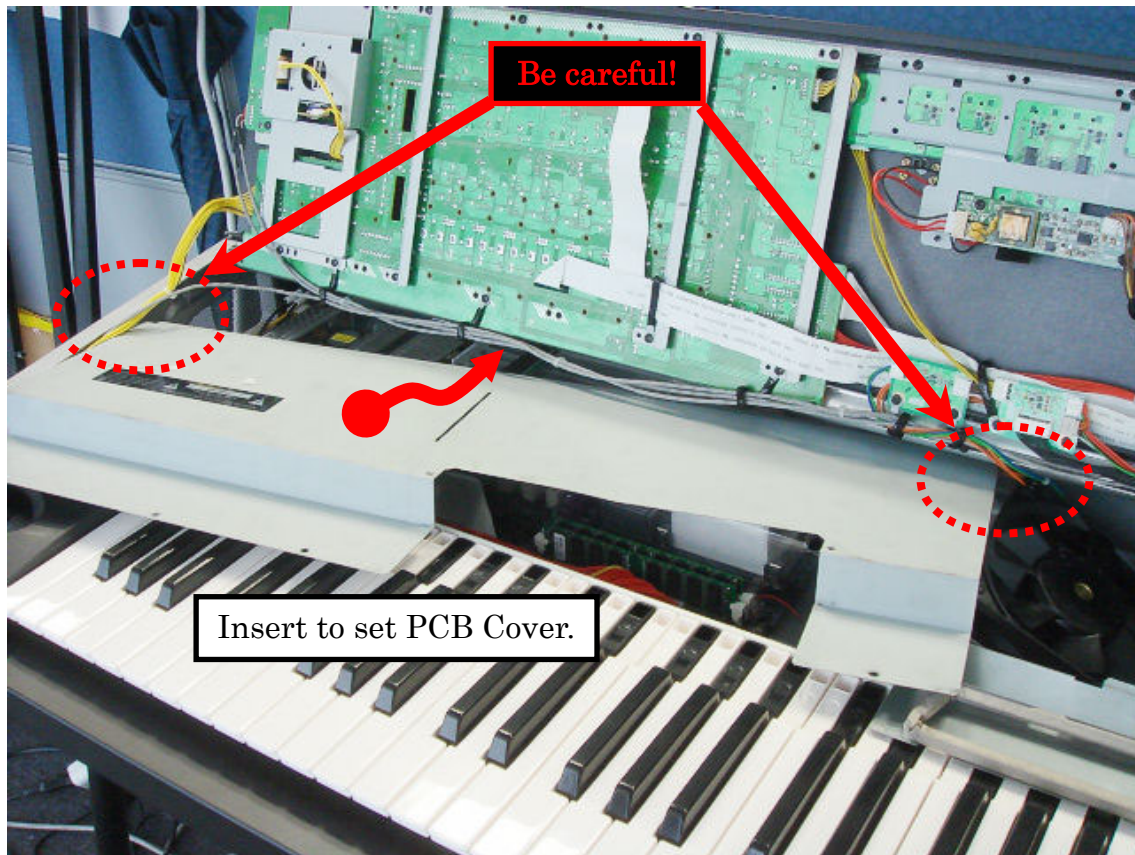


# How to reach HDD

Close the OASYS

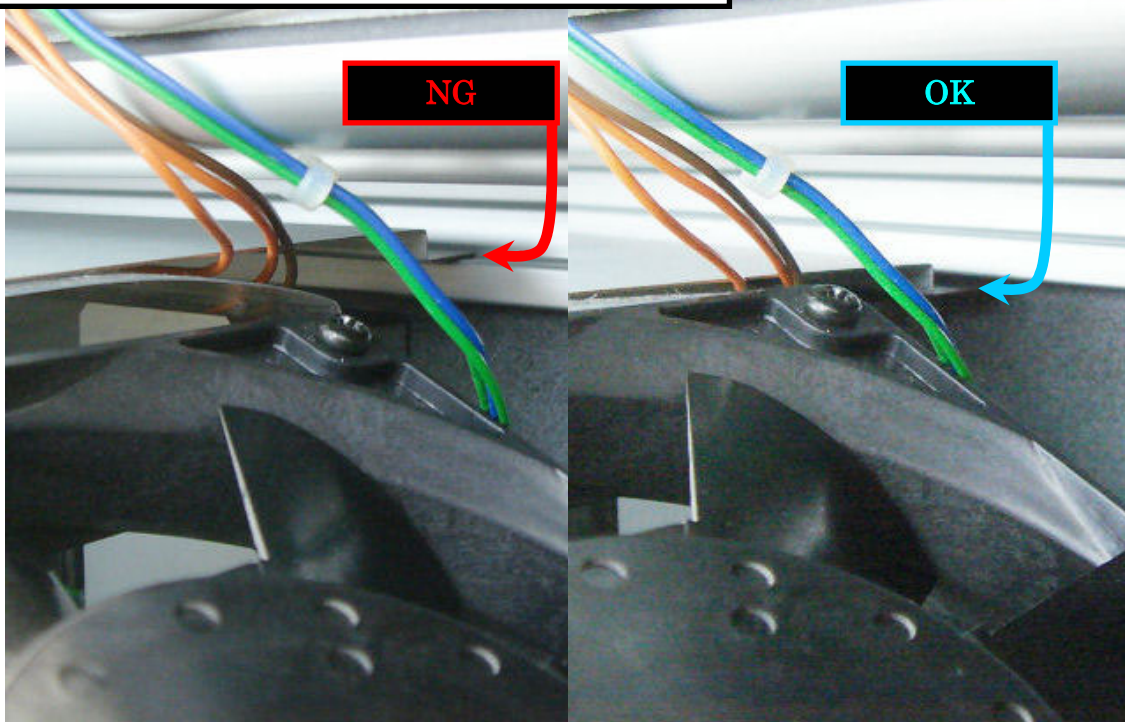
**Close**

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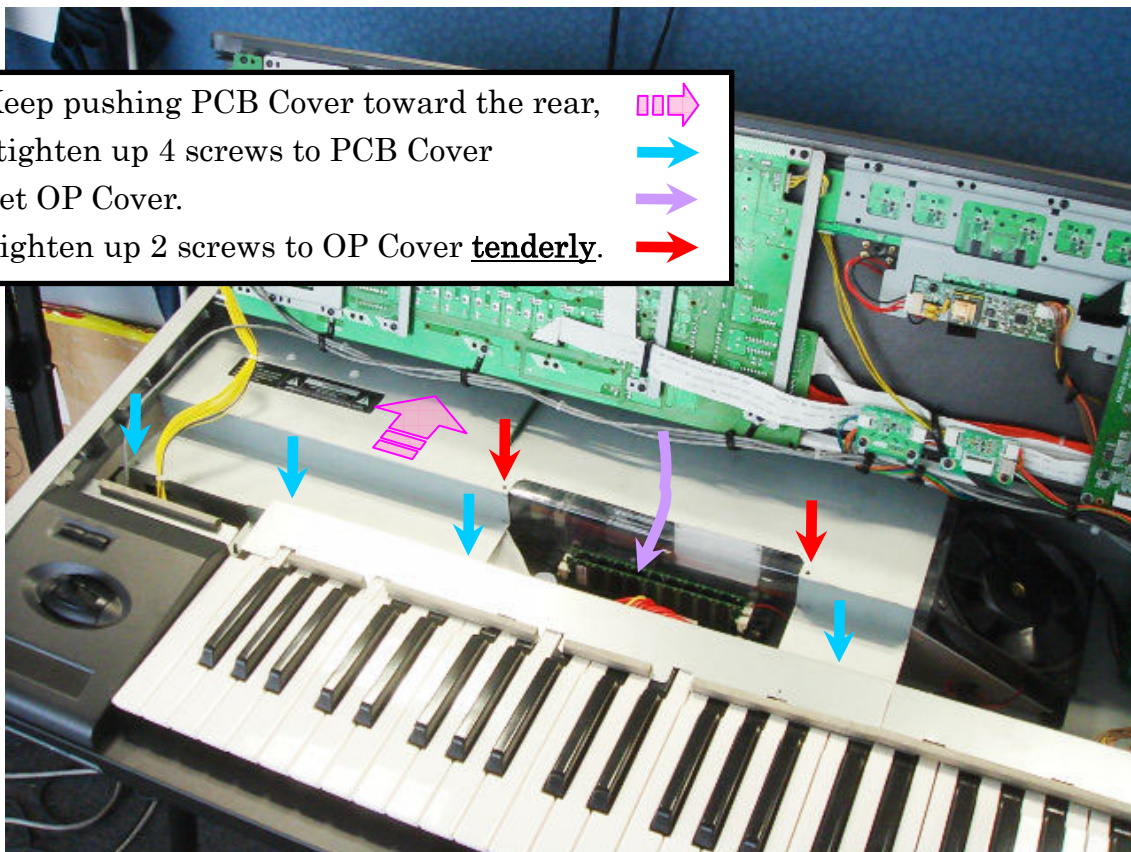




Check if the PCB Cover has correctly been set.  
PCB Cover must be set under the Corner Panel.

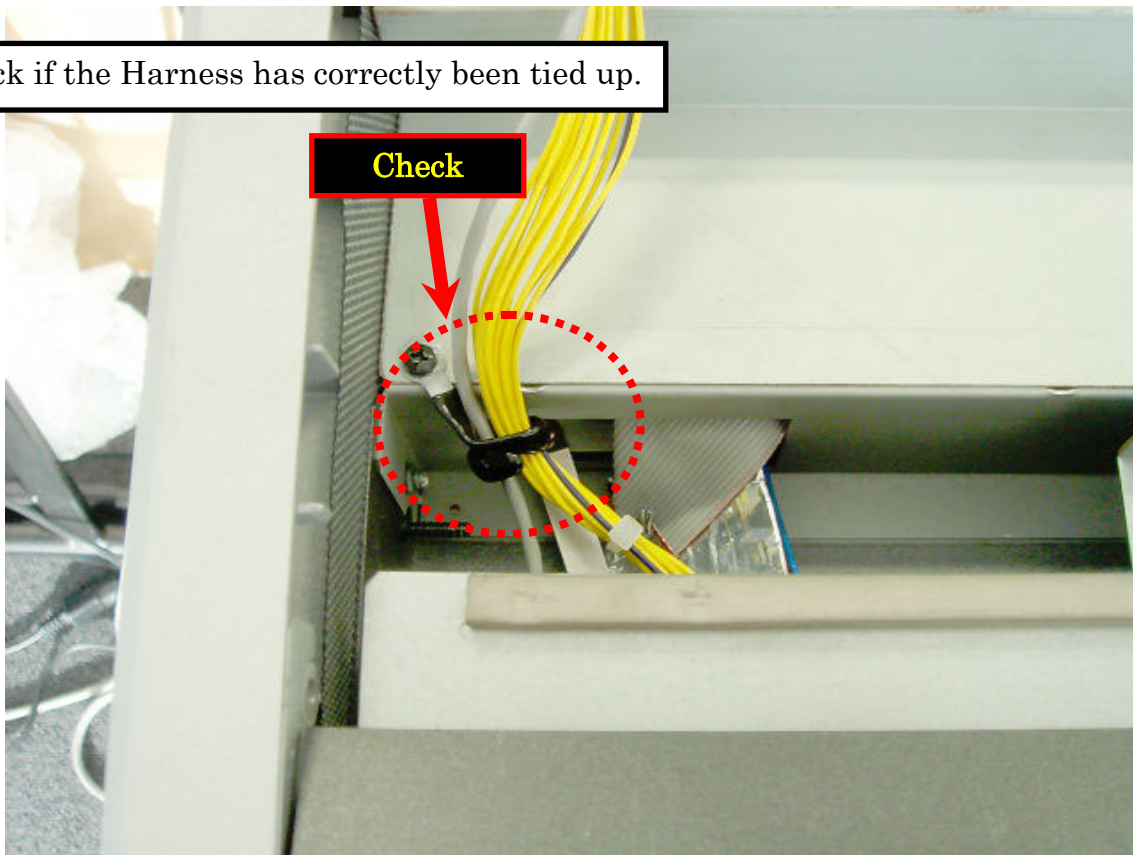


- (1) Keep pushing PCB Cover toward the rear, tighten up 4 screws to PCB Cover
- (2) Set OP Cover.
- (3) Tighten up 2 screws to OP Cover tenderly.

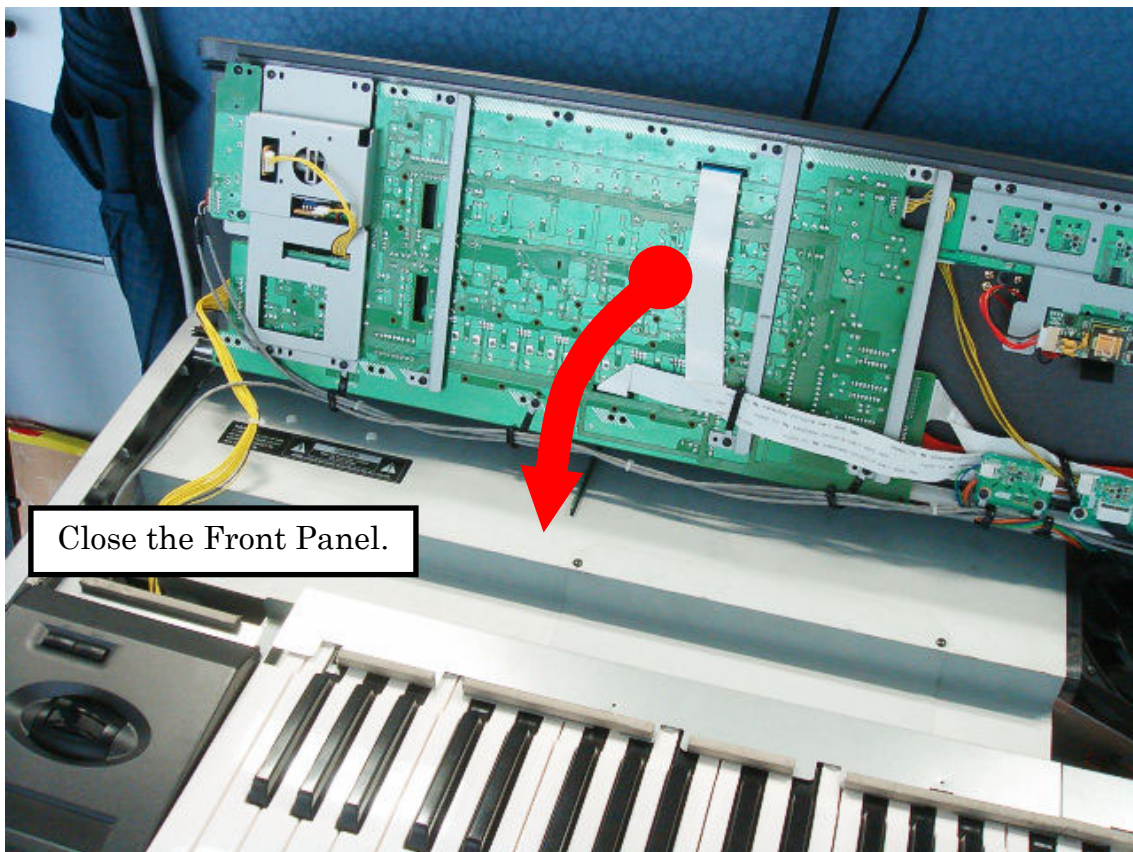




Check if the Harness has correctly been tied up.

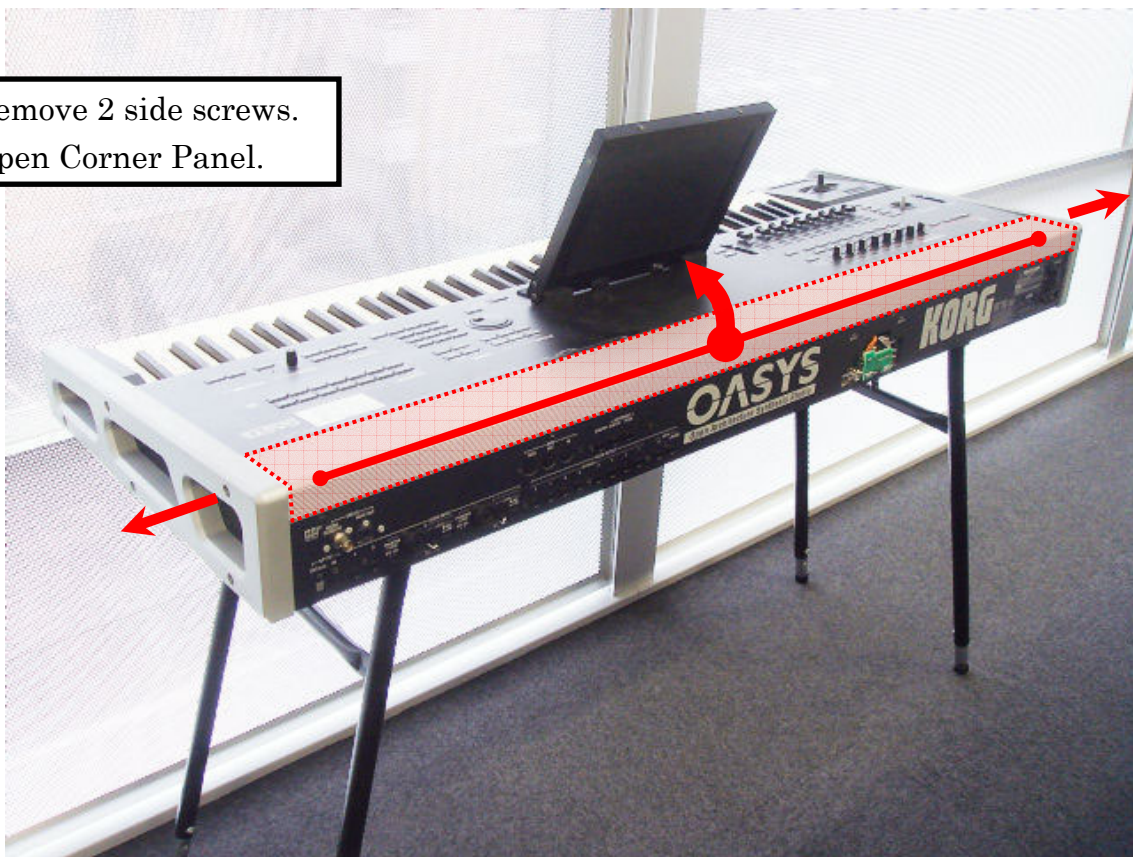


Close the Front Panel.

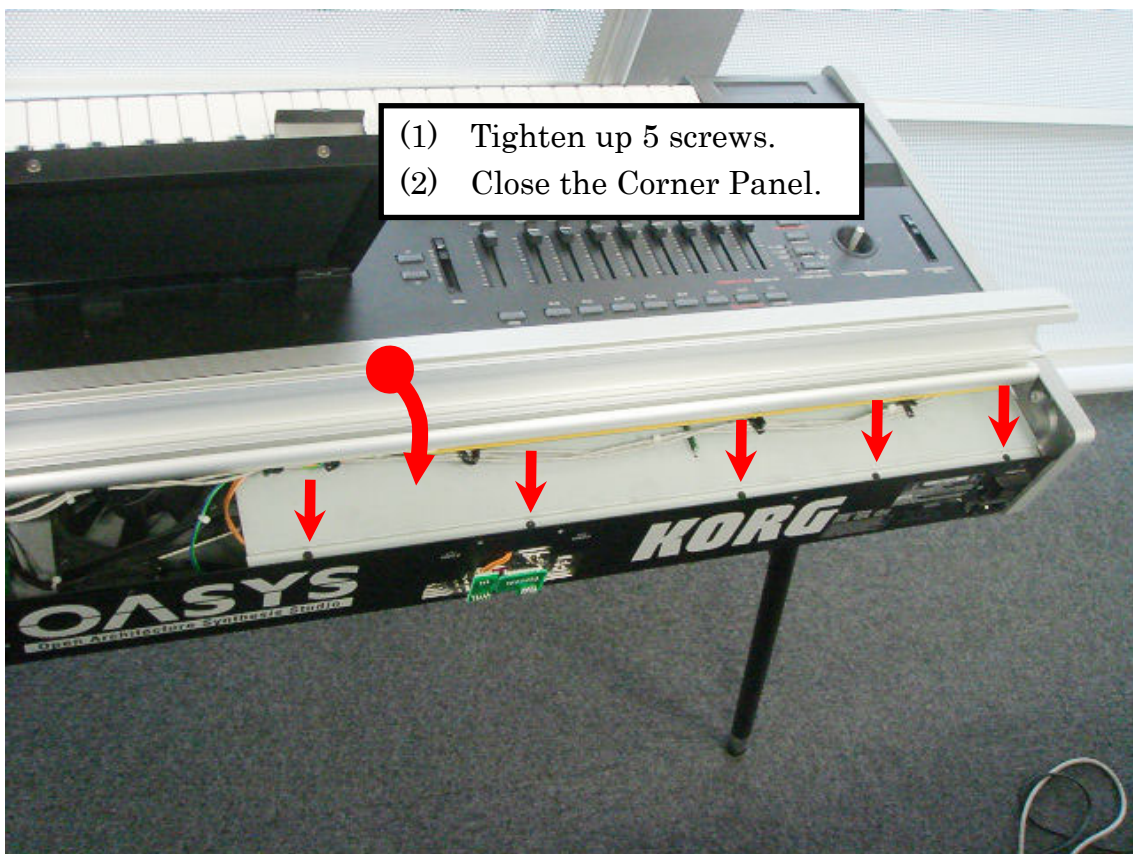






- (1) Remove 2 side screws.
- (2) Open Corner Panel.



- (1) Tighten up 5 screws.
- (2) Close the Corner Panel.



- (1) Set Rear cover. 
- (2) Tighten up 7 rear screws. 
- (3) Tighten up 4 side screws. 